Maryland Historical Trust

Maryland Inventory of Historic Properties number: B-4559

Name: Kelly Ave. over Jones Falls Exp. & Jones Falls

The bridge referenced herein was inventoried by the Maryland State Highway Administration as part of the Historic Bridge Inventory, and SHA provided the Trust with eligibility determinations in February 2001. The Trust accepted the Historic Bridge Inventory on April 3, 2001. The bridge received the following determination of eligibility.

MARYLAND HISTORICAL TRUST

Eligibility Recommended _____ Eligibility Not Recommended __X___

Criteria: ___A ___B ___C ___D Considerations: ___A ___B ___C ___D ___E ___F ___G __None

Comments: _____

_____

_____

Reviewer, OPS: _Anne E. Bruder_____ Date: __3 April 2001___

Reviewer, NR Program: __Peter E. Kurtze_____ Date: __3 April 2001___

Maryland Inventory of Historic Properties MHT Number B-4559
Historic Bridge Inventory
Maryland State Highway Administration
Maryland Historical Trust

Name and SHA No. BC 3406

Location:
Street/Road Name and Number: Kelly Avenue over Jones Falls Expressway and Jones Falls

City/Town: Baltimore Vicinity _

County: ____

Ownership: __State__County_X Municipal__Other

This bridge projects over: _X Road X_Railway_X Water__Land

Is the bridge located within a designated district:__yes X__no

_NR listed district_NR determined eligible district
_locally designated_other
Name of District_____

Bridge Type:

_Timber Bridge
_Beam Bridge_Truss-Covered_Trestle
_Timber-and-Concrete

_Stone Arch

_Metal Truss

_Movable Bridge
_Swing _Bascule Single Leaf_Bascule Multiple Leaf
_Vertical Lift_Retractile_Pontoon

X Metal Girder
X_Rolled Girder _Rolled Girder Concrete Encased
_Plate Girder _Plate Girder Concrete Encased

_Metal Suspension

_Metal Arch

B-4539

_Metal Cantilever

_Concrete
_Concrete Arch _Concrete Slab_Concrete Beam
_Rigid Frame
_Other Type Name_____

Description:

Describe Setting: Bridge Number BC3406 carries Kelly Avenue in a generally east-west direction over the Jones Falls Expressway and Jones Falls in the City of Baltimore, Maryland. The approach to the roadway is curving and has four lanes. The area around this bridge is suburban and wooded. The structures in the vicinity of this bridge are generally from the mid-twentieth century.

Describe Superstructure and Substructure: Bridge Number BC3406 is a sixteen span structure, measuring 789 feet in total length. Bridge Number BC3406 is a rolled girder deck structure. The roadway width from curb to curb is 48 feet and the total deck width is 60 feet. There are sidewalks on both sides of the bridge and the width of each is five feet.

The superstructure is composed of a continuous rolled steel girder. There are sixteen spans in the main bridge unit and none in the approach units. The longest span is 127 feet. There are seven stringers in the structure. The stringer spacing averages eight feet. The floor system is composed of concrete cast-in-place. The joints are made of a preformed expansion material. There are two rectangular concrete parapets. There is little ornamentation. There are no historical plaques.

The substructure is composed of concrete cellular abutments and concrete wind walls. The piers and columns are also concrete. There is no ornamentation. There are no historical plaques.

The condition of this bridge is currently rated satisfactory with some section loss, deterioration and spalling.

Discuss Major Alterations: There has been one major alteration to this structure. This occurred in 1979 and involved the reconstruction of this bridge. All elements of this bridge were replaced in 1979.

History:
When Built:1925 and 1979
Why Built: Increased traffic density necessitated a structure with an increased load capacity.
Who Built: State Roads Commission
Why Altered: Structural Problems
Was this bridge built as part of an organized bridge building campaign: Bridge built for a hazardous grade elimination program.

B-4559

Surveyor Analysis:

This bridge may have NR significance for association with:

_A Events _Person

_C Engineering/Architectural

Was this bridge constructed in response to significant events in Maryland or local history:
Yes. Increasing growth of vehicular traffic rates paralleled the growth of state-owned and state-aided highways. The 1930's brought a dramatic increase in the number of tractor-trailers and other heavy vehicles. The Maryland State Roads Commission began to emphasize standardized designs. Old, one way bridges and other inadequate designs were often replaced by steel girder design bridges.

When the bridge was built and/or given a major alteration, did it have a significant impact on the growth and development of the area?
Yes. Bridge BC3406 had a significant impact on the area. The ability to access the markets and employment potential of Baltimore City would have been seriously limited to locals had this bridge not been built. The steady outward growth of Baltimore City necessitated the steady growth of a sufficient transportation network. The construction of bridge BC3406 would have been a significant part of this development. The neighborhoods of Kelly Avenue would have all been directly impacted.

Is the bridge located in an area which may be eligible for historic designation and would the bridge add to or detract from historic and visual character of the possible district?
No. Bridge BC3406 is located in an area with little or no historic significance. This area has had a wide variety of unconnected developments. There is little in this area that could be considered in the future for eligibility. The loss of this bridge would not detract from the historic or visual character of this area.

Is the bridge a significant example of its type?
No. Bridge BC3406 is a common type of metal girder bridge. Metal girder bridges were built prolifically in Maryland from the late nineteenth century to the present day. There is nothing to set this bridge apart from others of its type. There are numerous other examples of this bridge available.

Does the bridge retain integrity of the important elements described in the Context Addendum? No. The reconstruction of 1979 destroyed any important elements.

Should this bridge be given further study before significance analysis is made and Why?
No. This bridge does not retain sufficient elements of historical structural integrity to qualify for further study.

B-4539

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1990 National Register Bulletin Number 15. National Park Service. Washington D.C.

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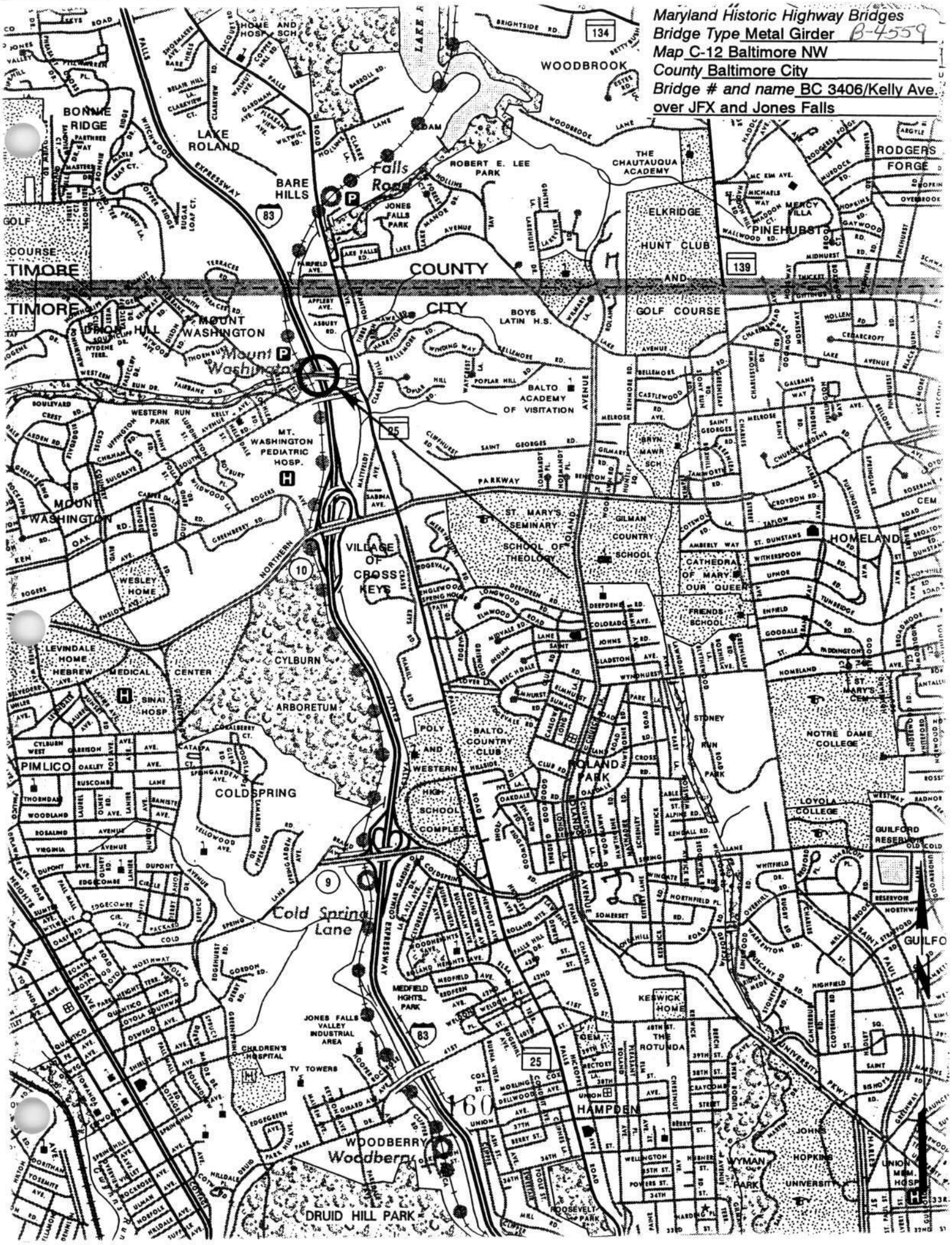
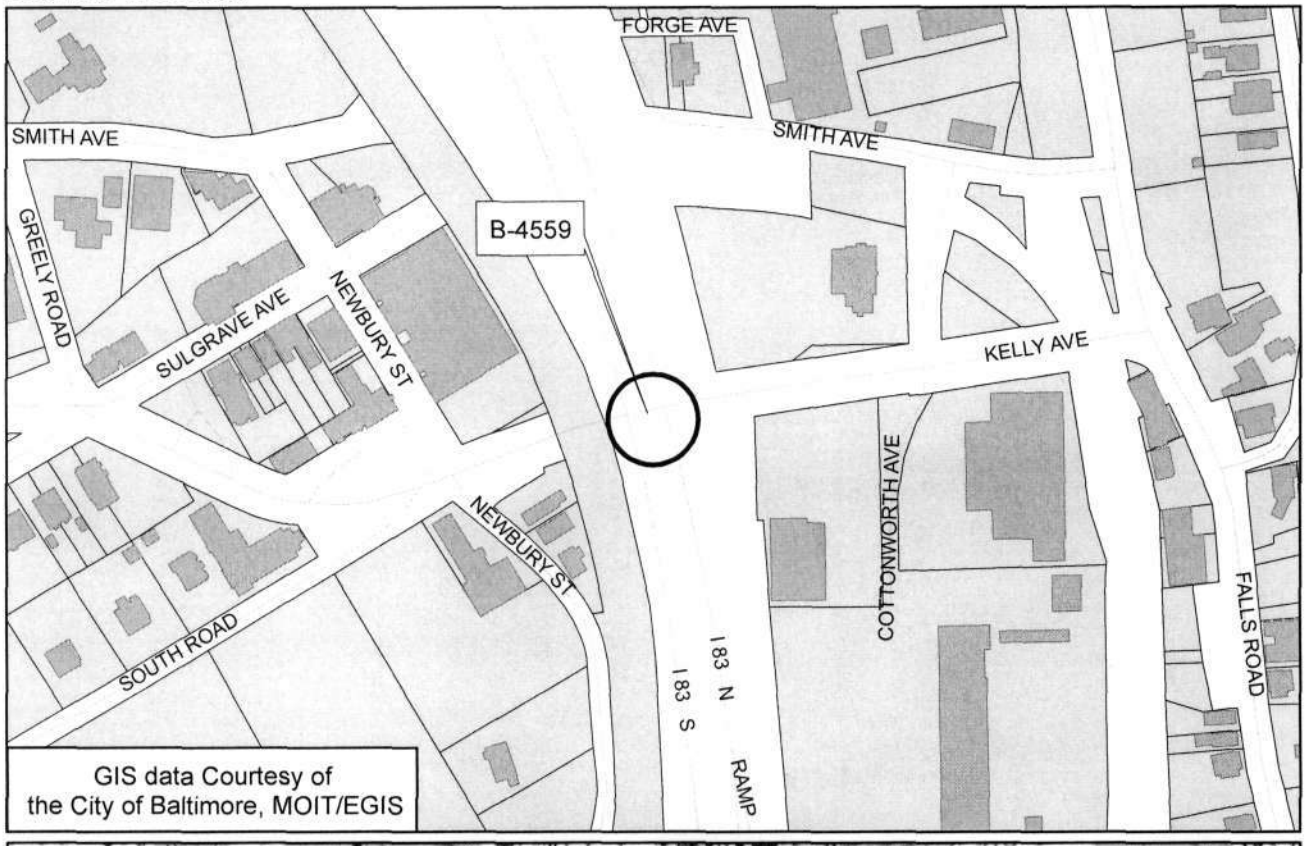
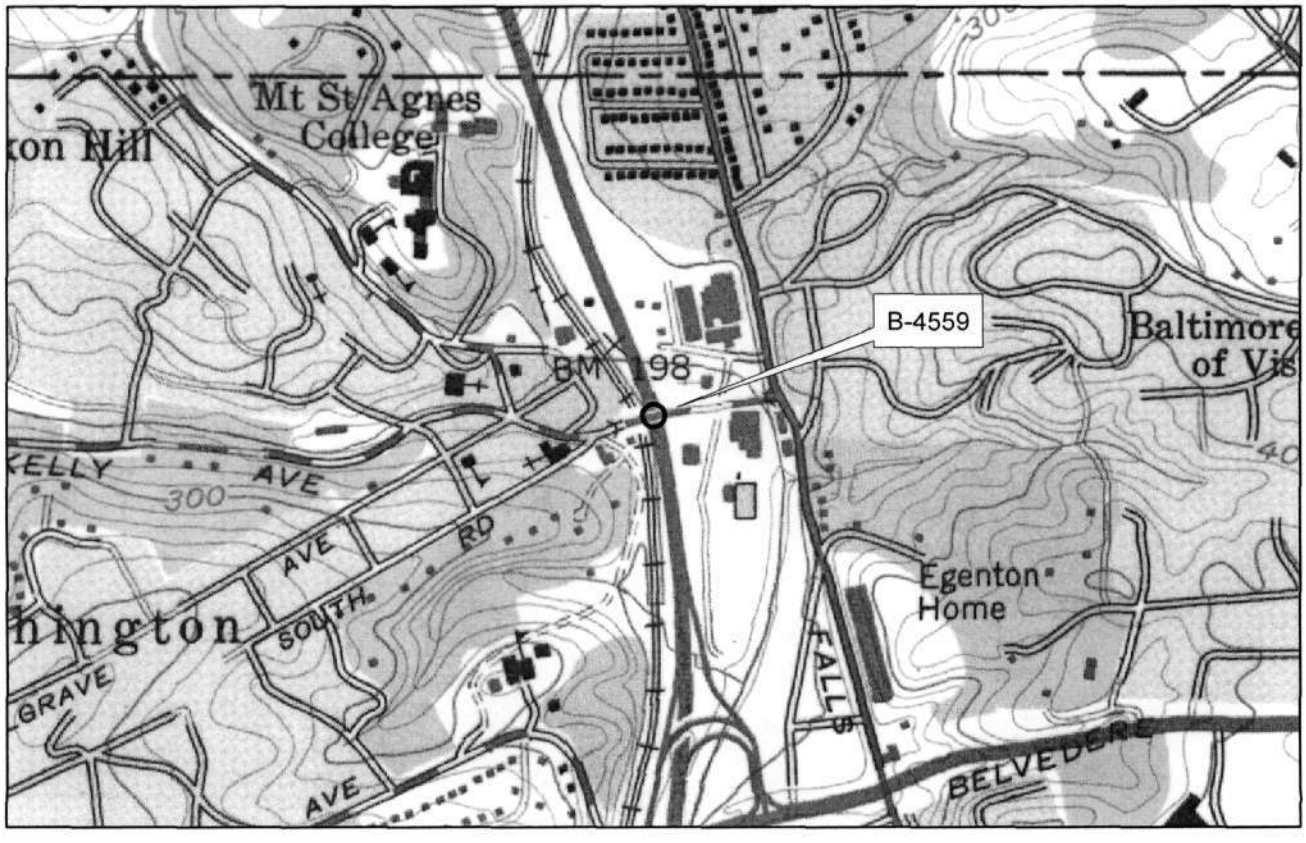
1991 Bridge Inspectors Manual. Federal Highway Administration. Washington D.C.

Surveyor:
Name: Andrew M. Watts **Date:**March 1996
Organization: State Highway Admin. **Telephone:** (410) 321-2213
Address: 2323 West Joppa Road Brooklandville, MD 21022


Maryland Historic Highway Bridges
Bridge Type Metal Girder B-4559
Map C-12 Baltimore NW
County Baltimore City
Bridge # and name BC 3406/Kelly Ave.
over JFX and Jones Falls
WOODBROOK
BONNIE RIDGE
LAKE ROLAND
BARE HILLS
Falls Road
ROBERT E. LEE PARK
JONES FALLS PARK
THE CHAUTAUQUA ACADEMY
RODGERS FORGE
ELKRIDGE
PINEHURST
HUNT CLUB AND
COUNTY
CITY
GOLF COURSE
BOYS LATIN H.S.
MOUNT WASHINGTON
Mount Washington
BALTO ACADEMY OF VISITATION
WESTERN RUN PARK
MT. WASHINGTON PEDIATRIC HOSP.
ST. MARY'S SEMINARY SCHOOL OF THEOLOGY
GILMAN COUNTRY SCHOOL
HOMELAND
CATHEDRAL OF MARY OUR QUEEN
VILLAGE OF CROSS KEYS
WESLEY HOME
LEVINDALE HEBREW HOME
MEDICAL CENTER
SINAI HOSP.
CYLBURN ARBORETUM
FRIENDS SCHOOL
ST. MARY'S CEM.
NOTRE DAME COLLEGE
PIMLICO
COLDSPRING
POLY AND WESTERN HIGH SCHOOL COMPLEX
BALTO COUNTRY CLUB
ROLAND PARK
LOYOLA COLLEGE
GUILFORD RESERVOIR
Cold Spring Lane
MEDFIELD HGHTS. PARK
JONES FALLS VALLEY INDUSTRIAL AREA
KESWICK HOME
THE ROTUNDA
CHILDREN'S HOSPITAL
TV TOWERS
HAMPDEN
WOODBERRY
Woodberry
WYMAN PARK
HOPKINS
UNIVERSITY
DRUID HILL PARK
ROOSEVELT PARK
83
25
139
134
10
9
160

B-4559
Bridge 3406
Kelly Avenue over Jones Falls Expressway & Jones Falls
Baltimore City
Baltimore West Quad





Inventory # B-4559

Name 3406- KELLY AVENUE OVER JONES FALLS
County/State BALTIMORE CITY/MARYLAND
Name of Photographer TIM SCHOEN
Date 1/95

Location of Negative SHA

Description EAST APPROACH

Number 1 of 4

Inventory # B-4559

Name 3406-KELLY AVENUE OVER JONES FALLS
County/State BALTIMORE CITY/MARYLAND
Name of Photographer TIM SCHOEN
Date 1/95

Location of Negative SHA

Description NORTH ELEVATION

Number 2 4 of ~~25~~ 4

Inventory # B-4559

Name 3406 - KELLY AVENUE OVER JONES FALLS
County/State BALTIMORE CITY/MARYLAND
Name of Photographer TIM SCHOEN
Date 1/95

Location of Negative SHA

Description SOUTH ELEVATION

Number 3 ~~5~~ of ~~25~~ 4

Inventory # B-4559

Name 3406-KELLY AVENUE OVER JONES FALLS
County/State BALTIMORE CITY/MARYLAND
Name of Photographer TIM SCHOEN
Date 1/95

Location of Negative SHA

Description WEST APPROACH

Number ~~4~~ 4 of ~~25~~ 4